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WILLIAM ROBERTO ODV

NPIC/R-1513/63

October 1963

PHOTOGRAPHIC INTERPRETATION REPORT

IPIR

MISSION 180

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30 SEPTEMBER 1963

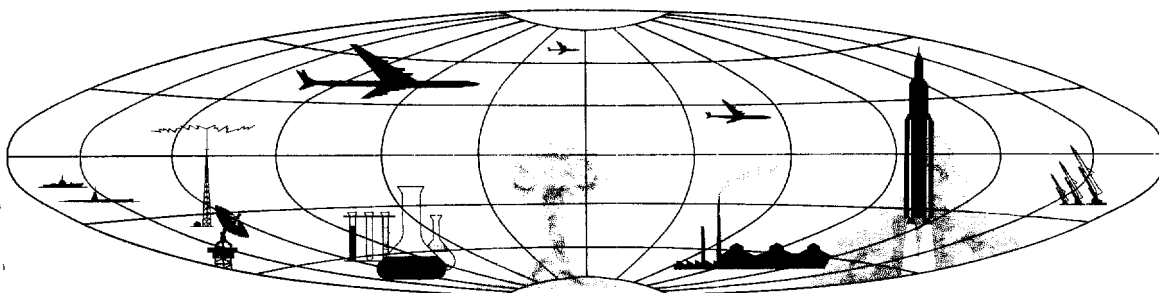


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GROUP 1
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downgrading and declassification

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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

IMMEDIATE PHOTOGRAPHIC INTERPRETATION REPORT

PREFACE

THIS REPORT REPRESENTS THE PRELIMINARY INTERPRETATION
OF CHURCH DOOR MISSION [REDACTED] FLOWN 30 SEPTEMBER
1963 [REDACTED]
[REDACTED]

THIS REPORT DEALS PRIMARILY WITH THE HIGHEST PRIORITY
INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST.
HOWEVER, IT ALSO INCLUDES OTHER SIGNIFICANT TARGETS
OBSERVED DURING THE SCAN OF PHOTOGRAPHY. TARGETS ARE
ARRANGED BY SUBJECT AND, WITHIN EACH SUBJECT, BY
COMOR TARGET NUMBER, WHICH APPEARS AT THE END OF THE
HEADER LINE. SIGNIFICANT TARGETS NOT IN THE COMOR
TARGET LIST ARE INCLUDED UNDER THE APPROPRIATE SUBJECT
FOLLOWING THE COMOR LISTED TARGETS.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE
APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS
FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS),
HC (HEAVY CLOUDS), H (HAZE), AND O (OBLIQUITY).

-MISSILES-

HAI-NAN TAO POSSIBLE MISSILE SITES 1900N 10930E [REDACTED]

25X1

NO MISSILE FACILITIES OBSERVED IN CLOUD-FREE AREAS.

[REDACTED]

25X1

WU-CHIH-SHAN SUSPECT SAM SITE 1854N 10940E [REDACTED]

NO MISSILE ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

[REDACTED]

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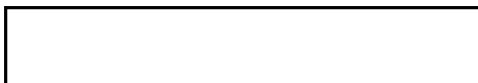
CHING-YANG, SUSPECT MISSILE SITE 2449N 11805E [REDACTED]

NO MISSILE ACTIVITY OBSERVED WITHIN A 20 NM RADIUS OF

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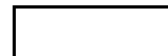
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ABOVE COORDINATES.



-AIRFIELDS-

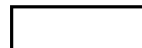
CHING-YANG AIRFIELD 2448N 11835E



7 NM SE OF CHING-YANG AND 5.8 NM SOUTH OF CHIN-CHIANG.
6,600 X 210 FT NE/SW CONCRETE RUNWAY, APPARENTLY SERVICEABLE.
FACILITIES INCLUDE A LOOP TAXIWAY PARALLEL TO AND WEST OF RUNWAY WITH 4 CROSSOVER LINKS, 2 CONCRETE PARKING APRONS WEST OF TAXIWAY, PARKING LOOP WITH 12 REVETMENTS AND ONE HANGAR NW OF TAXIWAY, PARKING LOOP WITH ONE HANGAR AND 7 REVETMENTS SW OF TAXIWAY, AND TAXIWAY WITH 13 REVETMENTS EXTENDING SSW FROM PARKING LOOP.
TWENTY OCCUPIED 8-GUN AAA POSITIONS, 8 OCCUPIED 4-GUN AAA POSITIONS, ONE 4-GUN AAA POSITION (3 EMPLACEMENTS OCCUPIED), ONE UNOCCUPIED 4-GUN AAA POSITION WITH ONE-AAA GUN AND 5 TRUCKS IN ADJACENT CLEARING, ONE UNOCCUPIED 4-GUN AAA POSITION, OBSERVED ALONG THE RUNWAY, MAIN TAXIWAY, AND AROUND PERIMETER OF AIRFIELD. SIXTY VEHICLES AND 65 TENTS OBSERVED IN THE AREA.
ONE OCCUPIED 4-GUN AAA POSITION, ONE 8-GUN AAA POSITION (7 OCCUPIED EMPLACEMENTS), AND 6 VEHICLES OBSERVED APPROXIMATELY .8 NM SOUTH OF AIRFIELD.
MILITARY INSTALLATION CONTAINING 27 BUILDINGS AND APPROXIMATELY 100 VEHICLES OBSERVED APPROXIMATELY 2.1 NM WEST OF AIRFIELD.
AIRCRAFT -- NONE OBSERVED.
(SEE ATTACHMENT 1).



HAI-KOU AIRFIELD 2001N 11021E



ONE NM SOUTH HAI-KOU AND ONE NM NORTH OF CHIUNG-SHAN.
6,600 X 200 FT E/W CONCRETE RUNWAY, SERVICEABLE.
NO NEW CONSTRUCTION OBSERVED.
AIRCRAFT -- 29 FAGOT.



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25X1

25X1

HSIN-CHENG AIRFIELD 2533N 11436E

10 NM SW OF NAN-KANG.

NO APPARENT CHANGE IN FACILITIES SINCE

AIRCRAFT -- NONE OBSERVED.

25X1

25X1

HSING-NING AIRFIELD 2409N 11545E

IDENTIFICATION ONLY.

25X1

HUI-AN AIRFIELD 2501N 11848E

1.5 NM SSE OF HUI-AN.

NO APPARENT CHANGE IN FACILITIES SINCE

AIRCRAFT -- NONE OBSERVED.

25X1

25X1

CANTON/WHITE CLOUD AIRFIELD 2311N 11316E

3 NM NORTH OF KUANG-CHOU.

NO APPARENT CHANGE IN FACILITIES SINCE

NO NEW CONSTRUCTION OBSERVED IN CLOUD-FREE AREAS.

AIRCRAFT -- 2 CRATE, 2 CAB, ONE COLT, AND ONE UNIDENTIFIED LIAISON-TYPE.

25X1

25X1

LIEN-CHENG AIRFIELD 2540N 11645E

2.5 NM SOUTH OF LIEN-CHENG.

NO APPARENT CHANGE IN FACILITIES SINCE

AIRCRAFT -- NONE OBSERVED.

25X1

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25X1

LING-SHUI AIRFIELD 1830N 10959E

25X1

2.9 NM WEST OF LING-SHUI.
8,200 X 220 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE.
FACILITIES INCLUDE PARALLEL TAXIWAY, 3 PARKING APRONS,
2 ALERT APRONS, MEDIUM-SIZED HANGAR, AND OPERATIONS
BUILDING.
NO NEW CONSTRUCTION OR COMMUNICATIONS OBSERVED.
AIRCRAFT -- 33 FAGOT/FRESCO.
(SEE ATTACHMENT 2).

25X1

25X1

LIU-CHOU AIRFIELD 2417N 10923E

2 NM SSW OF LIU-CHOU.
NO APPARENT CHANGE IN FACILITIES SINCE
AIRCRAFT -- NONE OBSERVED.

25X1

25X1

25X1

LUNG-CHI AIRFIELD 2434N 11739E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE
AIRCRAFT -- 24 PROBABLE FAGOT/FRESCO AND ONE
UNIDENTIFIED STRAIGHT-WING AIRCRAFT.

25X1

25X1

25X1

25X1

LUNG-TIEN AIRFIELD 2534N 11927E

2.2 NM SOUTH OF LUNG-TIEN.
7,000 X 200 FT, NE/SW CONCRETE RUNWAY, SERVICEABLE.
AIRCRAFT -- NONE OBSERVED.

25X1

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CANTON/NAN-HAI AIRFIELD 2305N 11304E

25X1

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]
[REDACTED] EXCEPT FOR AN OCCUPIED 6-GUN AAA
SITE AT THE SSW END OF AIRFIELD.
DETERIORATION AS REPORTED IN [REDACTED] IS PROBABLY
WATER STANDING ON RUNWAY.
AIRCRAFT -- 31 FAGOT/FRESCO AND 2 LIAISON-TYPE.

25X1

25X1

25X1

FU-CHOU/NAN-TAI AIRFIELD 2600N 11919E

5 NM SOUTH OF FU-CHOU.
NO APPARENT CHANGE SINCE [REDACTED]
AIRCRAFT -- 27 FAGOT/FRESCO.

25X1

SHUI-KOU AIRFIELD 2303N 11436E

25X1

11.5 NM ESE OF HUI-YANG.
NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]
[REDACTED]
AIRCRAFT -- 18 FAGOT/FRESCO.

25X1

25X1

SUI-CHI AIRFIELD 2124N 11012E

IDENTIFICATION ONLY.

25X1

TSUNG-HUA AREA, AIRFIELD 2333N 11334E

NO AIRFIELD OBSERVED IN CLOUD-FREE AREAS WITHIN A 10
NM RADIUS OF ABOVE COORDINATES.

25X1

25X1

SWATOW AIRFIELD NORTHEAST 2325N 11645E

25X1

5.5 NM NE OF SHAN-TOU.

NO APPARENT CHANGE IN FACILITIES SINCE

25X1

AIRCRAFT -- NONE OBSERVED.

25X1

SAN-YA AIRFIELD 1817N 10927E

3.7 NM NW OF SAN-YA.

4,700 X 200 FT NE/SW RUNWAY, PROBABLY CONCRETE,
POSSIBLY SERVICEABLE.

3,400 X 160 FT NW/SE RUNWAY, PROBABLY CONCRETE,
UNSERVICEABLE AND APPARENTLY DETERIORATED AND
OVERGROWN WITH VEGETATION.

AIRCRAFT -- NONE OBSERVED.

-PORTS-

CHAN-CHIANG NAVAL BASE 2112N 11025E

25X1

EAST EDGE OF CHAN-CHIANG.

NO APPARENT CHANGE IN FACILITIES SINCE

25X1

VESSELS -- 2 PROBABLE PC.

25X1

YU-LIN NAVAL BASE AND PORT 1813N 10931E

NAVAL BASE OBSCURED BY CLOUDS.

PORT FACILITIES INCLUDE A SMALL PIER, MUD BANK QUAY,
AND POL STORAGE AREA.

TWO OCCUPIED 4-GUN AAA POSITIONS OBSERVED IN PORT
AREA AND ONE OCCUPIED 4-GUN CD POSITION OBSERVED
ONE NM SOUTH OF PORT.

NO NAVAL VESSELS OBSERVED.

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25X1

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25X1

SHAN-TOU NAVAL BASE 2321N 11640E

SOUTH EDGE OF SHAN-TOU ON NIU-TIEN YANG (CHANNEL).
NO NEW CONSTRUCTION OBSERVED.
VESSELS -- ONE PF, 2 PC, 2 COASTAL FREIGHTERS, AND
NUMEROUS SMALL CRAFT.

25X1

HUANG-PU NAVAL BASE 2305N 11325E

9 NM ESE OF KUANG-CHOU ON HUANG-PU TAO (ISLAND).
NO APPARENT CHANGE IN FACILITIES SINCE
EXCEPT THAT LARGE MONITOR-ROOF
BUILDING REPORTED AS UNDER CONSTRUCTION NOW APPEARS
COMPLETED, AND CONSTRUCTION IS APPARENTLY BEGINNING
ON ANOTHER LARGE BUILDING .4 NM SOUTH OF NEWLY
COMPLETED BUILDING.
NO INDICATION OF REACTIVATION OF OLD GRAVING DOCKS AND
NO EVIDENCE OF SUBMARINE CONSTRUCTION.
VESSELS -- NUMEROUS SMALL CRAFT OBSERVED. OBLIQUITY
PRECLUDES FURTHER INTERPRETATION.

25X1

25X1

NAO-CHOU TAO, SUSPECT SUBMARINE BASE 2055N 11035E

NO SUBMARINE BASE OBSERVED IN CLOUD-FREE AREAS.

25X1

25X1

25X1

-MILITARY ACTIVITY-

CHANG-CHI ARMY BARRACKS SOUTH 2343N 11652E

14 NM EAST OF CHAO-AN.
NO APPARENT CHANGE IN FACILITIES SINCE
OBLIQUITY PRECLUDES IDENTIFICATION OF TENTS OR
VEHICLES.

25X1

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25X1

25X1

CHIEH-YANG ARMY BARRACKS HSI-CHANG ESE 2336N 11620E

1.5 NM EAST OF HSI-CHANG AND 3 NM NORTH OF CHIEH-YANG.
BARRACKS AREA CONTAINS TOTAL OF 20 BARRACKS,
7 ADMINISTRATIVE AND 10 STORAGE/SUPPORT BUILDINGS.
THREE SMALL STORAGE AREAS CONTAIN 22 STORAGE
BUILDINGS.

25X1

25X1

CHANG-PING, MILITARY ACTIVITY 2518N 11724E

NO MILITARY GARRISONS OBSERVED WITHIN A 5 NM RADIUS
OF CHANG-PING.

25X1

FU-CHING ARMY BARRACKS NW SHAN-TIEN 2547N 11918E

6.5 NM NW OF FU-CHING.
AREA COMPRISES 35 BARRACKS, 5 ADMINISTRATIVE
BUILDINGS, 25 SUPPORT BUILDINGS, AND A STORAGE AREA
WITH 19 STORAGE BUILDINGS.
HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.

25X1

25X1

HUI-YANG ARMY BARRACKS AND HQ WEST 2305N 11423E

1.5 NM WEST OF HUI-YANG.
NO APPARENT CHANGE SINCE
OCCUPANCY OF DEFENSE POSITIONS CANNOT BE DETERMINED.

25X1

25X1

HUNG-LAI ARMY BARRACKS SE 2503N 11833E

NO MILITARY INSTALLATIONS OBSERVED NORTH OF HUNG-LAI.
LARGE MILITARY AREA, APPROXIMATELY 2.5 NM SE OF
HUNG-LAI, INCLUDES 33 BARRACKS-TYPE, 12
ADMINISTRATIVE-TYPE, AND 27 STORAGE/SUPPORT

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BUILDINGS, 4 PROBABLE MESS HALLS, AND 28 VEHICLE/
EQUIPMENT REVETMENTS (16 COVERED BY GABLE-ROOF SHEDS).
THIRTY-TWO VEHICLES AND 2 TENTS OBSERVED.

25X1

25X1

LIEN-CHIANG ARMY BARRACKS NW CHIAO-PU 2614N 11930E

14 NM NE OF FU-CHOU.
BARRACKS AREA CONTAINS 8 BARRACKS-TYPE AND ONE
T-SHAPED PROBABLE ADMINISTRATIVE-TYPE BUILDING.
HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.

25X1

25X1

LU-TSU HSU, MILITARY INSTALLATION 2507N 11922E

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

25X1

25X1

LUNG-TIEN AAA SITE 2535N 11928E

A 6-GUN AAA SITE (3 OCCUPIED POSITIONS) OBSERVED
ADJACENT TO NE END OF LUNG-TIEN AIRFIELD AND ONE NM
SSE OF LUNG-TIEN.
MILITARY AREA, COMPRISING APPROXIMATELY 10 BARRACKS-
TYPE, 5 ADMINISTRATIVE-TYPE, AND 20 SUPPORT BUILDINGS
OBSERVED ONE NM NW OF LUNG-TIEN AIRFIELD.
TOKEN-TYPE RADAR OBSERVED 1.5 NM NE OF LUNG-TIEN,
AND SCR-270-TYPE RADAR, 2.1 NM SSW OF LUNG-TIEN.

25X1

MEI-HSIEN, MILITARY AREA 2418N 11607E

NO MILITARY ACTIVITY OF ANY SIGNIFICANCE OBSERVED AT
ABOVE COORDINATES.

25X1

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SECRET

25X1

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25X1

NAN-PING, TROOP ASSEMBLY AREA 2638N 11810E

NW EDGE OF NAN-PING.
AREA CONTAINS PROBABLE HOSPITAL WITH 10 BUILDINGS
INTERCONNECTED BY COVERED WALKWAYS AND APPROXIMATELY
8 ASSOCIATED BUILDINGS.
NO MILITARY ACTIVITY OBSERVED.

25X1

NAN-AN ARMY BARRACKS 2457N 11823E

25X1

5.1 NM SE OF NAN-AN.
DISPERSED MILITARY INSTALLATION CONTAINS A TOTAL OF
16 BARRACKS-TYPE, 5 ADMINISTRATIVE-TYPE, AND 30
SUPPORT-TYPE BUILDINGS. TWELVE TRUCKS OBSERVED IN
THE AREA.

25X1

NAN-AO TAO, MILITARY INSTALLATIONS 2326N 11703E

25X1

ISLAND, TOTALLY COVERED BY 100 PER CENT CLOUD-FREE
PHOTOGRAPHY, CONTAINS NUMEROUS BARRACKS,
ENTRENCHMENTS, AND GUN EMPLACEMENTS.
A SCR-270-TYPE RADAR WITH ONE CONTROL BUILDING
OBSERVED ON SE CORNER OF ISLAND AT 23-24N 117-07E.

25X1

NAN-JIH TAO, MILITARY INSTALLATION 2510N 11932E

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

25X1

NING-YANG AREA, MILITARY INSTALLATION 2535N 11725E

NO MILITARY ACTIVITY OBSERVED WITHIN A 5 NM RADIUS
OF NING-YANG.

25X1

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25X1

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25X1

25X1

PU-TIEN ARMY BARRACKS 2529N 11904E

NO BARRACKS AREAS OBSERVED NORTH OF PU-TIEN.

TWO BARRACKS AREAS IN PU-TIEN VICINITY.

AREA A (4 NM NE OF PU-TIEN AT 25-29N 119-04E) -- APPROXIMATELY 58 BARRACKS, 8 ADMINISTRATIVE, AND APPROXIMATELY 100 STORAGE/SUPPORT BUILDINGS. TWELVE UNIDENTIFIED VEHICLES OBSERVED IN AREA. UNOCCUPIED 8-GUN AAA SITE AT NORTH EDGE OF AREA, AND 2 UNOCCUPIED AAA SITES AT SE EDGE OF AREA.

AREA B (5.9 NM ENE OF PU-TIEN AND 1.3 NM NORTH OF HAN-CHIANG AT 25-28N 119-06E) -- 25 BARRACKS AND 50 SUPPORT BUILDINGS. NINETEEN VEHICLES OBSERVED.

25X1

25X1

PU-NING ARMY BARRACKS SOUTHWEST 2325N 11609E

3 NM SW OF PU-NING.

BARRACKS AREA COMPRISES 9 ASSOCIATED AREAS WITH A TOTAL OF 61 BARRACKS, AND 5 ADMINISTRATIVE AND 59 STORAGE/SUPPORT BUILDINGS.

TRENCHES AND TRAINING AREA OBSERVED SW OF BARRACKS AREA.

25X1

25X1

PING-HAI, MILITARY INSTALLATION 2511N 11916E

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

25X1

25X1

SHANG-HANG, MILITARY INSTALLATION 2505N 11630E

NO MILITARY INSTALLATION OBSERVED IN CLOUD-FREE AREAS.

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TUNG-HOU MILITARY AREA 2453N 11824E

6 NM EAST OF TUNG-HOU.

NO APPARENT CHANGE IN FACILITIES SINCE

THIRTY FA PIECES AND 20 VEHICLES OBSERVED.

25X1

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TUNG-AN, MILITARY AREAS 2444N 11809E

SIX MILITARY AREAS WITHIN A 5 NM RADIUS OF TUNG-AN
CONTAIN A TOTAL OF APPROXIMATELY 55 BARRACKS AND 35
ADMINISTRATIVE/SUPPORT BUILDINGS. NO ARTILLERY OR
VEHICLES OBSERVED.

25X1

YUNG-AN, MILITARY INSTALLATION 2555N 11710E

NO MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1 25X1

YUN-HSIAO, MILITARY INSTALLATION 2400N 11720E

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES
ON 100 PER CENT CLOUD-FREE PHOTOGRAPHY.

25X1

CHE-TIEN ARMY BARRACKS SOUTH 2621N 11249E

APPROXIMATELY 6 NM SSE OF CHE-TIEN.
ONLY THE EXTREME SOUTHERN EDGE OF THE BARRACKS AREA
VISIBLE DUE TO HEAVY CLOUDS AND INCOMPLETE
PHOTOGRAPHIC COVERAGE.
TWO MULTISTORIED BARRACKS, SEVERAL TRENCHES, 8 SMALL
UNSECURED VEHICLE PARKS. FORTY-ONE FA PIECES AND 86

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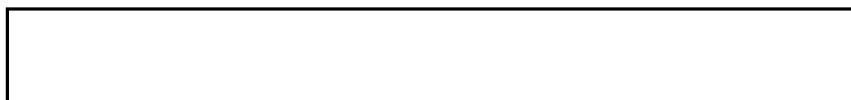
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UNIDENTIFIED VEHICLES OBSERVED.



25X1

25X1

LIANG-LUNG-HSU ARMY BARRACKS 2327N 11316E

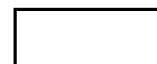


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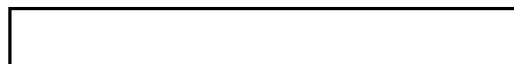


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LUNG-YEN, GARRISONS 2506N 11701E

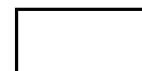


GARRISON ON WEST EDGE OF LUNG-YEN CONTAINS 4 WALLED
AREAS WITH A TOTAL OF 4 BARRACKS, 5
ADMINISTRATIVE, 15 STORAGE, AND 19 SUPPORT BUILDINGS,
AND AN ATHLETIC AREA.
SECOND GARRISON, ON EAST EDGE OF LUNG-YEN, CONTAINS
3 AREAS WITH A TOTAL OF 21 BARRACKS, 14
ADMINISTRATIVE, 10 STORAGE, AND 30 SUPPORT BUILDINGS.



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LIEN-CHENG, MILITARY ACTIVITY 2547N 11648E



NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

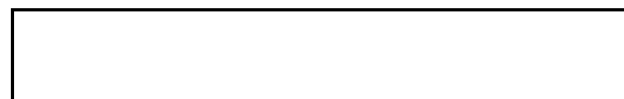


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KU-TIEN MILITARY ACTIVITY 2635N 11851E

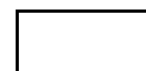


NO MILITARY ACTIVITY OBSERVED WITHIN A 5 NM RADIUS
OF ABOVE COORDINATES.
KU-TIEN NOW UNDER WATER BACKED UP BY A LARGE DAM.

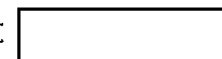
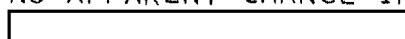


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CHIH-KAN AREA, MILITARY CAMP 2124N 11021E



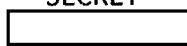
8 NM NORTH OF CHIH-KAN.
NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE



25X1

NO VEHICLES OR EQUIPMENT OBSERVED.

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25X1

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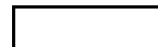
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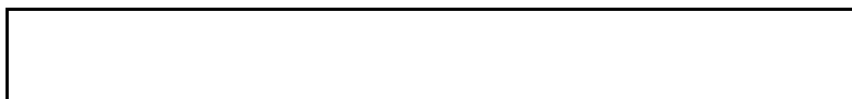
--COMPLEXES--

25X1

KUANG-CHOU COMPLEX 2307N 11315E



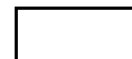
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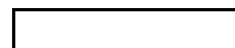
25X1

25X1

HSIA-MEN COMPLEX 2427N 11805E



NO APPARENT CHANGE IN FACILITIES SINCE

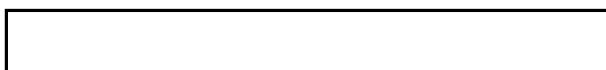


25X1

25X1

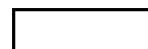
ELEVEN BOX CARS, 9 GONDOLA CARS, AND 2 UNIDENTIFIED
FREIGHT CARS OBSERVED IN RAILROAD CLASSIFICATION
YARD.

25X1

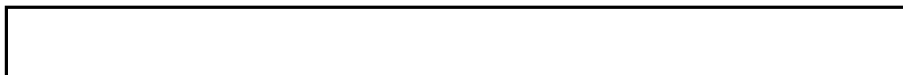


25X1

CHIN-CHIANG COMPLEX 2455N 11835E



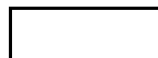
NO MAJOR INDUSTRIES, RAILROAD YARDS OR RAILROAD
SERVICE OBSERVED. SEVERAL SMALL INDUSTRIES OBSERVED
BUT NO EVIDENCE OF SMOKE EMITTING FROM STACKS.



25X1

25X1

FU-CHOU COMPLEX 2605N 11918E



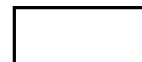
NO STACKS EMITTING SMOKE AND NO SIGNIFICANT
ACTIVITY OBSERVED AT MAJOR INDUSTRIES.
APPROXIMATELY 48 RAILROAD CARS OBSERVED IN 2
RAILROAD CLASSIFICATION YARDS 2 NM NE OF FU-CHOU.



25X1

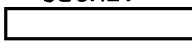
25X1

SHAN-TOU COMPLEX 2322N 11640E



NO MAJOR INDUSTRIAL AREAS OR CLASSIFICATION YARDS

SECRET



25X1

SECRET

25X1

NPIC/R-1513/63

IN COMPLEX.
NO CONSTRUCTION ACTIVITY OBSERVED.

25X1



25X1

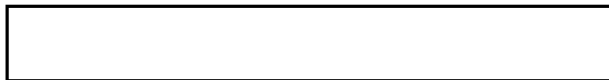
MAO-MING SHALE OIL PLANT 2141N 11052E



14.5 NM SOUTH OF MAO-MING AND 14 NM ENE OF HUA-HSIEN.
OIL PLANT AREA 100 PER CENT COVERED BY CLOUD-FREE
PHOTOGRAPHY.

PLANT, STILL UNDER CONSTRUCTION, CONTAINS 2 SHALE OIL
RETORTS (ONE STILL UNDER CONSTRUCTION), 2 ADJACENT
DISTILLATION UNITS, AND A PROBABLE BOILER HOUSE.
CONSTRUCTION APPEARS COMPLETED ON ONE OIL RETORT AND
ONE DISTILLATION UNIT. SMOKE EMITTING FROM A STACK AT
SHALE OIL RETORT INDICATES PROBABLE LIMITED
OPERATION.
(SEE ATTACHMENT 3).

25X1



SAN-YUAN IRON AND STEEL PLANT SAN-MING 2616N 11737E

ONE NM NE OF SAN-YUAN.
INSTALLATION COMPRISES 2 BLAST FURNACES, 10 BEEHIVE-
TYPE COKE OVEN BATTERIES, ONE STEEL PLANT, ONE
POWER PLANT, AND SEVERAL LARGE BUILDINGS UNDER
CONSTRUCTION. AN ASSOCIATED AREA, 2 NM NORTH, IS
UNDER CONSTRUCTION.
(SEE ATTACHMENT 4).

25X1



SECRET

25X1

25X1

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SECRET

ATTACHMENT 1
NPIC/R-1513/63



CHING-YANG AIRFIELD

25X1

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SECRET

25X1

SECRET

25X1

ATTACHMENT
REF ID: A1360



LING-SHUI AIRFIELD

25X1

SECRET

25X1

SECRET

25X1

ATTACHMENT 3
RPR 0015 3/77



SECRET

25X1

SECRET

25X1

ATTACHMENT 4
EAPIC R 1513 63



COKE, ROLL AND STEEL PLANT, SHANGHAI

25X1

SECRET

25X1

25X1

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25X1

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SECRET

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SECRET

25X1